



NARO-WUR Joint International Symposium 2020

# Research Initiatives toward Future Agriculture and Food Industry

**December 8<sup>th</sup> | 2020**

**8:30 - 11:55**



[the Netherlands, UTC+1]

**16:30 - 19:55**



[Japan, UTC+9]

## Aims of the Symposium

- Presentations on research strategies to accelerate progress toward Society 5.0
- Presentations on research strategies towards the adoption of disruptive innovations that aim to balance increased global food production with enhanced environmental conservation.
- Presentation on cutting-edge technologies for food and agriculture centering on Smart agricultural technology from Japan and the Netherlands
- Discussions on international research collaboration contributing to governmental policy and the accomplishment of the SDGs

## Keynote Speech

-Dr. Kazuo KYUMA, President, NARO  
[Provisional] "NARO's research and development strategy towards the growth of agriculture and food industries and environmental conservation"

-prof.dr.ir. WH (Wouter) Hendriks,  
Dean of Research, WUR  
"WUR Strategic Research"

## Part 1. Balancing food production and environmental conservation on a global scale

- Creating Disruptive Innovation by 2050

## Part 2. Directions of future animal science research

- Smart livestock farming that balances productivity improvement and environmental protection

Language	Fees	Capacity
English	No charge	500 participants

Contact  
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### Registration

Please pre-register using the online form below.

- ▶ <https://online.jtbeurope.com/naro-wur-joint-international-symposium-2020/naro-wur-joint-international-symposium/Site/Register>



### Organizers

National Agriculture and Food Research Organization (NARO, Japan)  
Wageningen University and Research (WUR, the Netherlands)



## Research Initiatives toward Future Agriculture and Food Industry

\* Please note that the program is subject to change without notice.

NL Time	JP Time	Program			
Opening					
8:30-8:40	16:30-16:40	Mr. Frederik Vossenaar, Special Envoy, Ministry of Agriculture, Nature & Food Quality the Netherlands Government Dr. Louise O. Fresco, President, WUR			
8:40-9:10	16:40-17:10	Dr. Kazuo KYUMA, President, NARO [Provisional] "NARO's research and development strategy towards the growth of agriculture and food industries and environmental conservation"  prof.dr.ir. WH (Wouter) Hendriks, Dean of Research, WUR " WUR Strategic Research "			
Part 1. Balancing food production and environmental conservation on a global scale - Creating Disruptive Innovation by 2050					
9:10-10:00	17:10-18:00	1. Dr. Makoto MITSUMORI, NARO "Development of innovative feeding technology to significantly reduce methane emissions from dairy cows and enhance their productivity " 2. Dr. Masao ISHIMOTO, NARO "Development of crop design technology for full utilization of potentially-useful bioticfunctions in plant" 3. Dr. Masaya MATSUMURA, NARO [Provisional] "NARO’s research into insect pest control: Creation of an industry that enables a sustainable global food supply by 2050 by exploiting unused biological resources" 4. Dr. Ken TOKUYASU, NARO "Digital Design of Tasty & Healthy Meals Made from “Food Loss”: Food Creation using 3D-AI Food Printers" 5. Dr. Mari YAMAMOTO, NARO "Research initiatives to maintain human health through diet: Analysis of health data from 1,000 healthy Japanese people"			
10:00-10:25	18:00-18:25	Break			
Part 2. Directions of future animal science research - Smart livestock farming that balances productivity improvement and environmental protection					
10:25-11:05	18:25-19:05	Session 1	Session 2	Session 3	Session 4
		"Insect-derived protein feed "  Dr. ing. Teun Veldkamp, WUR Dr. Nobuhiko NAKASHIMA, NARO  "Research and development for utilization of insects as animal feed"	"Greenhouse gas reduction by livestock excrement management "  ir. Luuk Gollenbeek, WUR Dr. Dai HANAJIMA, NARO  "Co-composting of cow manure and corn stover for more sustainable dairy farming in Hokkaido, Japan"	"Reduction of ruminants-derived greenhouse gases and improvement of animal productivity"  Dr. ir. Karin Groenestein, WUR Dr. Tomoyuki SUZUKI, NARO  "Potential for mitigating enteric methane emissions from cattle in Japan"	"Smart dairy farming with a view of animal welfare"  Ing. Kees Koning, WUR Dr. Kenichi YAYOU, NARO  "Mechanical brush usage by calves separated from their dams immediately after birth"
11:05-11:25	19:05-19:25	Wrap-up discussion of the session	Wrap-up discussion of the session	Wrap-up discussion of the session	Wrap-up discussion of the session
11:25-11:45	19:25-19:45	Overall wrap-up based on a summary of each session's wrap-up			
11:45-11:50	19:45-19:50	Part 2 Closing remarks: Dr. ir. JT (Jeroen) Dijkman, Managing Director of Animal Science Group, WUR			
Closing					
11:50-11:55	19:50-19:55	Closing remarks of Symposium : Dr. Atsuro MATSUDA, Vice-President in charge of International collaboration, NARO			